Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-09-06-13** **Date: 28-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-06-19
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	26-06-19
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.64	–
2	Finess by Air permeablity method (m^2/kg,Min)	298.2	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	165 minutes	Not less than 30 minutes
6	Final Setting time	255 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:
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Authorized Signatory
Quality Manager

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-09-06-13** **Date: 28-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	25-06-19
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	25-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	572	572	3.8	96.2	90-100
3	20 mm	4881	5453	36.4	63.6	30-70
4	10 mm	7136	12589	83.9	16.1	10-35
	4.75 mm	2108	14697	98.0	2.0	0-5
	Pan	303	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-09-06-13** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-06-19
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	25-06-19

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	196	196	3.9	96.1	90-100
3	10 mm	3146	3342	66.8	33.2	25-55
4	4.75mm	1443	4785	95.7	4.3	0-10
	Pan	215	5000	100	0	–

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2019-09-06-13** **Date: 27-06-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	25-06-19
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	25-06-19
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	26	26	2.6	97.4	90-100	90-100	90-100	95-100
3	2.36 mm	51	77	7.7	92.3	60-95	75-100	85-100	95-100
4	1.18 mm	227	304	30.4	69.6	30-70	55-90	75-100	90-100
5	600 micron	203	507	50.7	49.3	15-34	35-59	60-79	80-100
6	300 micron	201	708	70.8	29.2	5-20	8-30	12-40	15-50
7	150 micron	193	901	90.1	9.9	0-10	0-10	0-10	0-15
8	Pan	99	1000	100.0	0.0	---	---	---	---

Result: The tested Sample Conforms to Grading Zone II

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-09-06-13** **Date: 09/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-07-19
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	09/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	02/07/2019	09/07/2019	150.28 X 151.23 X 151.62	22726	8.158	272.7	12.0	12.4
2	PCC	M15	02/07/2019	09/07/2019	151.19 X 149.82 X 150.14	22651	8.202	285.4	12.6	
3	PCC	M15	02/07/2019	09/07/2019	150.82 X 151.84 X 149.53	22900	8.386	289.6	12.6	

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Authorized Signatory
Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-06-13

Date: 30/07/2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/19/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 04-07-19

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M15	02/07/2019	30/07/2019	149.51 X 149.11 X 149.58	22294	8.750	387.8	17.4	17.7
2	PCC	M15	02/07/2019	30/07/2019	151.43 X 151.42 X 151.69	22930	8.484	410.4	17.9	
3	PCC	M15	02/07/2019	30/07/2019	151.86 X 151.77 X 149.49	23048	8.932	413.8	18.0	

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TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2019-09-06-13** **Date: 12-07-19**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.

Agency : Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.

Customer's Reference : EE(YNK.D)E-PMT-09/W.O/19/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-07-19

Sample Type /Size : Precast Cover Slab(100 mm)

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 08/07/2019

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.5	100.48	1.118	4476	80.7	18.0	16.8	21.0
2	Cover Slab-2	75.47	100.52	1.136	4473	82.0	18.3	17.1	21.3
3	Cover Slab-3	75.53	100.53	1.124	4480	83.5	18.6	17.3	21.7

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/07/2019

Lab ID	:	**CP-2019-09-06-13**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	03/07/2019	10/07/2019	150.53 X 149.06 X 149.25	22437	8.762	423.4	18.9	18.6
2	Drain Bottom Slab Concrete	M20	03/07/2019	10/07/2019	151.87 X 151.45 X 149.81	23001	8.486	431.1	18.7	
3	Drain Bottom Slab Concrete	M20	03/07/2019	10/07/2019	151.35 X 149.93 X 150.28	22692	8.281	414.7	18.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2019-09-06-13
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/07/2019

Date: 31/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	03/07/2019	31/07/2019	151.48 X 150.09 X 150.61	22735	8.773	536.4	23.6	23.1
2	Drain Bottom Slab Concrete	M20	03/07/2019	31/07/2019	150.01 X 151.86 X 150.67	22780	8.088	510.6	22.4	
3	Drain Bottom Slab Concrete	M20	03/07/2019	31/07/2019	150.75 X 151.50 X 150.74	22839	8.849	533.3	23.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2019-09-06-13 **Date: 10/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-07-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	03/07/2019	10/07/2019	150.86 X 151.12 X 150.78	22799	8.762	432.2	19.0	18.8
2	Drain Bottom Slab Concrete	M20	03/07/2019	10/07/2019	149.63 X 149.45 X 149.19	22361	8.486	418.2	18.7	
3	Drain Bottom Slab Concrete	M20	03/07/2019	10/07/2019	149.99 X 151.07 X 149.98	22659	8.281	422.6	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/07/2019

Lab ID	:	CP-2019-09-06-13
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.54 X 151.99 X 149.69	23032	8.762	421.3	18.3	18.4
2	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.78 X 151.37 X 149.42	22974	8.486	428.1	18.6	
3	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.94 X 151.35 X 151.95	22996	8.281	417.7	18.2	

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL|
GEO TECHNICAL| PROJECT MANAGEMENT| SURVEYING SERVICES |

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AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/07/2019

Lab ID	:	CP-2019-09-06-13
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-07-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	15/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	149.25 X 150.16 X 150.65	22412	8.762	413.9	18.5	18.3
2	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	151.12 X 149.21 X 150.66	22549	8.486	409.8	18.2	
3	Drain Side Wall Concrete	M20	08/07/2019	15/07/2019	149.56 X 149.36 X 149.30	22338	8.281	405.1	18.1	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate

CIVIL Pro Sig Date

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	CP-2019-09-06-13 **Date: 01-07-19**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of RCC Drains at Amba Bhavani Temple Chikkadinne Attur Layout in Ward No.03, Attur.
Agency	:	Sri.A.Rajendra Reddy, No:14, Mathrushree Nilaya, Vinayakanagara, Amurthahalli, Bangalore-560092.
Customer's Reference	:	EE(YNK.D)E-PMT-09/W.O/19/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-06-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	29-06-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.394	516	654	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.614	530	676	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	546	662	20.0%	Satisfactory	Satisfactory

Note:

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